

## Rabbit Anti-DERL3/AP Conjugated antibody

SL14281R-AP

<b>Product Name</b>	Anti-DERL3/AP
<b>Chinese Name</b>	碱性磷酸酶 (AP) 标记的内质网退化蛋白 3 抗体
<b>Alias</b>	C22orf14; Degradation in endoplasmic reticulum protein 3; DER 3; Der1 like domain family member 3; Der1 like protein 3; Der1-like protein 3; DER3; DERL 3; Derl3; DERL3_HUMAN; Derlin 3; Derlin 3 protein; Derlin-3; Derlin3; DERtrin 3; DERtrin-3; DERtrin3; IZP 6; IZP6; LLN 2; LLN2; MGC71803.
<b>Research Area</b>	Signal transduction Transporter
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human,Mouse,Rat,Chicken,Pig,Cow,Rabbit) IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	27kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human DERL3
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Product Detail</b>	<b>background:</b> The protein encoded by this gene belongs to the derlin family, and resides in the endoplasmic reticulum (ER). Proteins that are unfolded or misfolded in the ER must be refolded or degraded to maintain the homeostasis of the ER. This protein appears to be involved in the degradation of misfolded glycoproteins

in the ER. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Oct 2008]

**Function:**

Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded luminal glycoproteins, but not that of misfolded nonglycoproteins. May act by forming a channel that allows the retrotranslocation of misfolded glycoproteins into the cytosol where they are ubiquitinated and degraded by the proteasome. May mediate the interaction between VCP and the degradation substrate.

**Subcellular Location:**

Endoplasmic reticulum membrane.

**Tissue Specificity:**

Unlike DERL1 and DERL2, restricted to several tissues. Expressed at high levels in placenta, pancreas, spleen and small intestine.

**Similarity:**

Belongs to the derlin family.

**Database links:**

[Entrez Gene: 91319](#) Human

[Entrez Gene: 614334](#) Cow

[Entrez Gene: 70377](#) Mouse

[Omim: 610305](#) Human

[SwissProt: Q0P5E4](#) Cow

[SwissProt: Q96Q80](#) Human

[SwissProt: Q9D8K3](#) Mouse

[Unigene: 593679](#) Human

[Unigene: 275878](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in



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human, therapeutic or diagnostic applications.